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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/605,165	09/12/2003	Cheng-Te Chuang	MTKP0047USA	2164	
27765	7590 11/16/2006		EXAMINER		
NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION P.O. BOX 506 MERRIFIELD, VA 22116			MCLEAN MAYO, KIMBERLY N		
			ART UNIT	PAPER NUMBER	
	,		2187		

DATE MAILED: 11/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applica	tion No.	Applicant(s)				
Office Action Summary		10/605,	165	CHUANG ET AL.	CHUANG ET AL.			
		Examin	er	Art Unit				
•		Kimberly	y N. McLean-Mayo	2187				
 Period for	The MAILING DATE of this communica Reply	tion appears on t	he cover sheet with	the correspondence a	ddress			
WHICH - Extensi after Si - If NO po - Failure Any rep	RTENED STATUTORY PERIOD FOR EVER IS LONGER, FROM THE MAIL ons of time may be available under the provisions of 3 K (6) MONTHS from the mailing date of this communication for reply is specified above, the maximum statute to reply within the set or extended period for reply will, by received by the Office later than three months after patent term adjustment. See 37 CFR 1.704(b).	LING DATE OF T 17 CFR 1.136(a). In no e cation. ory period will apply and by statute, cause the a	THIS COMMUNICA event, however, may a rep will expire SIX (6) MONTH pplication to become ABA	ATION. ly be timely filed IS from the mailing date of this of NDONED (35 U.S.C. § 133).	·			
Status								
1)⊠ R	esponsive to communication(s) filed of	on 16 August 200	96 .		•			
· —	This action is FINAL . 2b) This action is non-final.							
3)□ S	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
C	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositio	n of Claims							
4)⊠ C	4) Claim(s) 15-28 is/are pending in the application.							
48	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)□ C	_							
6)⊠ C	laim(s) 15-19 and 22-26 is/are rejected	ed.						
·	laim(s) <u>20,21,27 and 28</u> is/are objecte							
8)∐ C	laim(s) are subject to restriction	n and/or election	requirement.					
Application	n Papers							
9)□ Tł	ne specification is objected to by the E	xaminer.						
10)□ Th	ne drawing(s) filed on is/are: a)□ accepted or t	o)□ objected to by	the Examiner.				
Α	pplicant may not request that any objectio	n to the drawing(s)	be held in abeyance	e. See 37 CFR 1.85(a).				
	eplacement drawing sheet(s) including the	•		·	• •			
11)∐ Th	ne oath or declaration is objected to by	y the Examiner. N	Note the attached (Office Action or form P	TO-152.			
Priority un	der 35 U.S.C. § 119							
12)□ Ad a)□	cknowledgment is made of a claim for All b) Some * c) None of:	foreign priority u	nder 35 U.S.C. § 1	19(a)-(d) or (f).				
	1. Certified copies of the priority documents have been received.							
	Certified copies of the priority do							
3,	Copies of the certified copies of t	• •		eceived in this National	Stage			
* 50	application from the International the attached detailed Office action for	•	` · · ·	aceived				
Je	o and automod detailed Office action is	or a not or the cel	and copies not re	Joseph Cu.				
Attachment(s)							
	f References Cited (PTO-892)			mmary (PTO-413)				
	f Draftsperson's Patent Drawing Review (PTO- ion Disclosure Statement(s) (PTO/SB/08)	-948)		Mail Date ormal Patent Application				
	o(s)/Mail Date		6) Other:	• •				

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Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 22, 2006 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 15-19 and 22-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Tseng et al. (PGPUB: US 2004/0199693).

Regarding claims 15-16 and 22-23, Tseng discloses an external memory including a single physical region; and an address translator (inherent) coupled between the microprocessor and the external memory for translating a page and an address within the page pointed to by the microprocessor when accessing the external memory into a physical address of the external memory, and for mapping a predetermined range of addresses (addresses corresponding to the interrupt service routine) within all pages pointed to by the microprocessor when accessing the external memory into the single physical region (Figure 2, Reference 26) of the external memory

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(Figure 2; sections 0016-0018; Figure 3; each page's [memory bank] interrupt routine is mapped to the interrupt service routine in the single physical region reference 26 in figure 2).

Regarding claims 17-19 and 24-26, Tseng discloses mapping addresses outside the predetermined range of addresses within all pages to areas of the external memory not within the single physical region (the addresses from the microprocessor are intrinsically translated to the physical addresses of the external memory; addresses that do not correspond with the interrupt service routine are not mapped to the interrupt service but instead are mapped to other areas of the physical memory).

Allowable Subject Matter

4. Claims 20-21 and 27-28 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

5. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly N. McLean-Mayo whose telephone number is 571-272-4194. The examiner can normally be reached on Mon, Wed, Thurs (10-4), Tues (9:45 - 6:15).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Sparks can be reached on 571-272-4201. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kimberly N. McLean-Mayo

Primary Examiner

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KNM

November 1, 2006